(No Model.)

S. G. KNIGHT.

SPOOL HOLDER.

No. 431,773. Patented July 8, 1890.

Fig. 1.

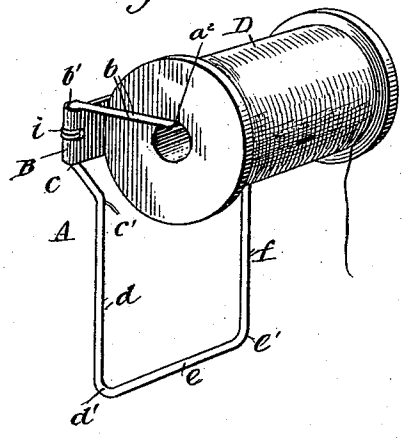


Fig. 2

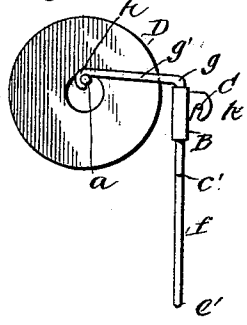


Fig. 3.

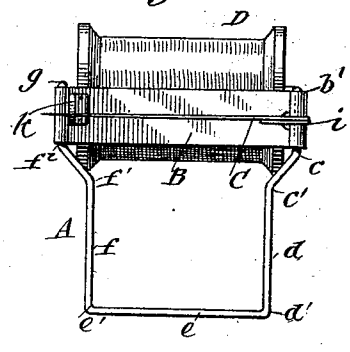
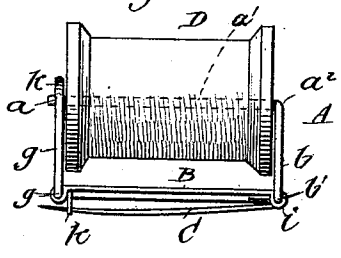


Fig. 4.



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SPOOL-HOLDER.

SPECIFICATION forming part of Letters Patent No. 431,773, dated July 8, 1890.

Application filed March 28, 1890. Serial No. 345,721. (No model.)

To all whom it may concern:

Be it known that I, SILAS GEORGE KNIGHT, of St. John, Newfoundland, have invented a new and Improved Portable Spool-Holding Device, of which the following is a full, clear, and exact description.

My invention relates to an improved device for the revoluble support of spools containing cotton or woolen yarn or thread of all kinds and their removable attachment to the dress of the user, the objects being to provide a simple, neat, convenient, and inexpensive device of the character named, whereby spools containing crochet-cotton yarn, or any other yarn or thread, may be supported thereon and attached to the dress of the operator at any desired point for ready removal when needed for use.

To these ends my invention consists in certain features of construction and combination of parts, as is hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the spool-holder with a spool thereon. Fig. 2 is an end elevation of the device and a spool in position on it. Fig. 3 is a rear elevation of the spool-holder and a supported spool, and Fig. 4 is a plan view of the spool-holder.

In knitting fancy articles from worsted yarn or crocheting-lace or other fabric using cotton yarn or thread as a material for its manufacture, the material is spooled to hold it in a compact and convenient manner for use. While the work is in progress it is necessary that the spool of thread or yarn be held close at hand for supplying the strand of fibrous material unbroken as needed. Ordinarily the spool of thread is deposited in the lap of the user, or possibly in a dress or apron pocket. The result is that the material becomes soiled before it is worked into the fabric, and is liable to become tangled if accidentally dropped and thereby unwrapped in quantity from the spool.

The simple, light, and quickly-adjusted spool-holder herein presented obviates all of the incidental annoyance mentioned, as will more fully appear from the description.

A represents the spool-supporting bracket-frame. This is preferably made of wire drawn from any suitable metal, a single strand of proper length being employed. A spool-supporting limb a' is provided by bending the wire at a right angle to its straight portion a proper distance from the end a, thus affording one horizontal limb b for the bracket-frame A. Said limb extends from the corner a^2 to a point b', where the strand of wire is bent downwardly at a right angle, and at c in a diagonal direction downward and sidewise toward the end a to a point c', where an obtuse angle is formed in the material of such degree as will project the strand vertically downward to afford a side bar d for the frame. From the lower terminal d' of the side bar d a cross-bar e is extended horizontally, of a length to provide sufficient width for the bracket-frame A, and at e' an upward bend at a right angle to the cross-bar e produces a second side bar f, that is parallel to the side bar d. From the upper terminal f' of the parallel side bar f the wire is bent outwardly at an angle of equal degree to the obtuse angle c', the diagonal limb thus formed terminating at f^2, whence the strand of metal is extended vertically to a point g, where a right angle is formed in the wire by forwardly bending the end portion g', affording a limb of a length equal to the horizontal limb b and parallel to it in the same horizontal plane. On the terminal end of the limb g' an open hook h is formed, which, by reason of elasticity in the wire material, may be sprung over the end a after a spool has been placed on the limb a'.

A sheet-metal guard-plate B is formed from a rectangular strip of metal of suitable length and width to be secured in any convenient manner upon the bracket-frame A near to the horizontal limbs g' b. An attachment of the guard-plate B is preferably made by producing scrolls on the ends of the same, which will embrace the perpendicular portions of the wire frame directly below the corners b' g thereon, thus providing a stiffening-brace for the bracket-frame, as well as a guard-plate for the pin C, provided to secure the device in place where desired. The pin C is preferably made of elastic wire, one end being bent into a coil-spring hinge i, which is placed on the frame-body within a slot made for it in

the scroll end of the plate B, the normal set or bend of the coil being adapted to project the pin outwardly, as is usual in this construction of pins. At the opposite end of the plate B a latch-hook *k* is secured, which is designed to engage the free end portion of the pin C, that is pointed for insertion into clothing of the wearer of the spool-holder, thus removably securing the device at any point most convenient for use.

If the length of a spool-supporting limb *a'* is proportioned to that of the spools to be held thereon, the horizontal limbs *g' b* may be made to press slightly against the ends of the spool D and prevent its improper loose rotation, but permit revoluble movement when a supply of yarn or thread is needed.

In using the device it is apparent that by springing the spool-supporting limb *a'* laterally, when it is not in engagement with the hook end *h* of the frame, a spool D may be slid thereon, when a secure connection of the end *a* and hook *h* may be made.

The bracket-frame A can be given any position upon the dress or apron of a person using the device by the means indicated, and when in place will hold the spool and its contents projected in an obvious manner away from the dress, so that the thread or yarn may be unwrapped as required for use, the embrace of the horizontal limbs of the frame preventing too free a delivery of the same.

The frame and plate B may be made of any material preferred which is adapted to afford the necessary strength and desired lightness, and may be plated with silver, gold, or nickel to give it a handsome appearance.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A spool-holder comprised of a rectangular bracket-frame bent from a single piece of wire having two integral spring-limbs projected at a right angle to the main portion of the frame, one spring-limb being extended toward the other spring-limb, producing a spool-holding limb the free end of which may interlock with a hook formed on the adjacent end of the shorter spring-limb, a stiffening-guard plate the scrolled ends of which are attached to the vertical bars of the bracket-frame, and a spring-securing pin looped around one bar of the wire bracket-frame through a slot in the guard-plate and adapted to interlock with a latch-plate at the opposite end of the guard-plate, substantially as set forth.

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